

Canvas and Related Product Mills: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
314912, Canvas and related product mills	2002..	1 539	1 560	17 327	472 540	12 825	25 458	281 662	965 389	791 874	1 763 059	'44 168
	2001..	N	N	17 994	454 610	13 803	24 066	271 012	846 872	790 394	1 644 629	42 234
	2000..	N	N	18 981	468 962	14 485	25 877	280 605	892 953	829 781	1 720 435	70 155
	1999..	N	N	18 976	454 204	14 333	25 372	266 445	878 320	793 584	1 671 544	55 831
	1998..	N	N	18 658	427 895	14 179	26 369	248 363	810 399	738 061	1 557 605	30 025
	1997..	1 673	1 688	18 692	414 155	14 042	24 222	239 638	809 156	723 013	1 529 144	44 492

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
314912, Canvas and related product mills												
United States	2	1 560	207	17 327	472 540	12 825	25 458	281 662	965 389	791 874	1 763 059	'44 168
California	4	177	25	1 848	53 701	1 328	2 723	30 249	97 097	77 595	173 325	'2 978
Colorado	—	28	3	437	13 422	311	631	6 886	39 290	38 169	77 145	'1 024
Connecticut	2	30	5	359	10 899	274	492	6 729	23 008	22 310	45 106	'5 148
Florida	4	147	15	1 123	27 872	799	1 593	16 142	47 534	37 205	85 873	'4 137
Georgia	2	30	6	439	11 789	329	594	7 297	24 572	15 341	39 067	'790
Illinois	2	49	14	1 093	25 179	915	2 210	17 126	52 830	40 853	96 372	'2 825
Louisiana	—	17	3	232	5 497	158	278	3 171	9 158	13 183	22 147	'574
Maine	1	23	2	207	7 178	151	275	4 445	12 257	6 464	18 583	'928
Massachusetts	4	45	4	375	11 528	253	515	5 883	22 726	20 003	44 148	'326
Michigan	5	61	7	521	14 004	411	767	8 643	23 729	28 886	51 951	'308
Minnesota	1	32	3	205	6 660	132	265	2 995	12 444	13 776	27 135	'429
Missouri	2	30	4	270	8 198	185	299	4 125	12 876	10 689	23 415	'254
New York	2	93	17	1 453	43 506	1 103	2 481	28 465	105 354	87 702	194 032	'3 637
North Carolina	1	39	7	529	13 691	350	648	6 811	26 118	22 730	48 291	'1 139
North Dakota	—	7	1	110	3 001	101	245	2 603	8 978	7 240	16 527	'899
Ohio	5	68	12	648	17 575	455	906	10 490	28 759	23 629	52 754	'1 390
Oregon	4	28	2	211	6 432	127	237	3 071	13 382	6 954	20 299	'691
Pennsylvania	3	59	5	464	12 870	330	586	7 724	21 197	16 168	36 885	'2 424
South Carolina	1	22	7	306	8 618	251	457	6 224	24 217	13 576	37 036	'279
Tennessee	—	22	5	379	10 386	275	567	5 723	32 427	31 784	62 916	'510
Texas	4	76	11	1 043	21 920	816	1 352	13 665	27 513	39 405	73 126	'648
Utah	5	14	3	228	6 641	152	266	3 640	11 460	8 251	19 906	'574
Washington	2	42	4	318	10 257	215	408	5 671	18 973	13 353	32 436	'1 225

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
314912, Canvas and related product mills	
Companies ¹	number.. 1 539
All establishments ²	number.. 1 560
Establishments with 1 to 19 employees	number.. 1 353
Establishments with 20 to 99 employees	number.. 186
Establishments with 100 employees or more	number.. 21
All employees ³	number.. 17 327
Total compensation	\$1,000.. 552 141
Annual payroll	\$1,000.. 472 540
Total fringe benefits	\$1,000.. 79 601
Production workers, average for year	number.. 12 825
Production workers on March 12	number.. 12 398
Production workers on May 12	number.. 12 934
Production workers on August 12	number.. 12 905
Production workers on November 12	number.. 13 028
Production worker hours	1,000.. 25 458
Production worker wages	\$1,000.. 281 662
Total cost of materials	\$1,000.. 791 874
Materials, parts, containers, packaging, etc., used	\$1,000.. 683 256
Resales	\$1,000.. 79 488
Purchased fuels	\$1,000.. 2 528
Purchased electricity	\$1,000.. 5 791
Contract work	\$1,000.. 20 811
Quantity of electricity purchased for heat and power	1,000 kWh.. 80 883
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 88
Total value of shipments	\$1,000.. 1 763 059
Primary products value of shipments	\$1,000.. 1 526 003
Secondary products value of shipments	\$1,000.. 109 437
Total miscellaneous receipts	\$1,000.. 127 619
Value of resales	\$1,000.. 103 454
Contract receipts	\$1,000.. 6 168
Other miscellaneous receipts	\$1,000.. 17 997
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 1 616 089
Value of primary products shipments made in this industry	\$1,000.. 1 526 003
Value of primary products shipments made in other industries	\$1,000.. 90 086
Coverage ratio	percent.. 94
Value added	\$1,000.. 965 389
Total inventories, beginning of year	\$1,000.. 258 538
Finished goods inventories	\$1,000.. 99 297
Work-in-process inventories	\$1,000.. 35 964
Materials and supplies inventories	\$1,000.. 123 277
Total inventories, end of year	\$1,000.. 242 668
Finished goods inventories	\$1,000.. 94 746
Work-in-process inventories	\$1,000.. 34 719
Materials and supplies inventories	\$1,000.. 113 203
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '384 431
Total capital expenditures (new and used)	\$1,000.. '44 168
Buildings and other structures (new and used)	\$1,000.. '6 249
Machinery and equipment (new and used)	\$1,000.. '37 919
Automobiles, trucks, etc., for highway use	\$1,000.. '4 798
Computers and peripheral data processing equipment	\$1,000.. '5 214
All other expenditures for machinery and equipment	\$1,000.. '27 907
Total retirements	\$1,000.. '23 425
Gross value of depreciable assets at end of year	\$1,000.. '405 174
Depreciation charges during year	\$1,000.. '31 189
Total rental payments	\$1,000.. 41 723
Buildings and other structures	\$1,000.. 29 775
Machinery and equipment	\$1,000.. 11 948
Total other expenses ⁴	\$1,000.. 109 425
Response coverage ratio ⁵	percent.. 79
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 5 053
Communications services ⁴	\$1,000.. 4 554
Legal services ⁴	\$1,000.. 1 730
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 734
Advertising and promotional services ⁴	\$1,000.. 14 446
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 046
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 074
Management consulting and administrative services ⁴	\$1,000.. 1 766
Taxes and license fees ⁴	\$1,000.. 2 990
All other expenses ⁴	\$1,000.. 73 032

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
314912, Canvas and related product mills											
All establishments	2	1 560	17 327	472 540	12 825	25 458	281 662	965 389	791 874	1 763 059	'44 168
Establishments with—											
1 to 4 employees	9	893	g	D	D	D	D	D	D	D	D
5 to 9 employees	4	233	1 620	42 824	1 194	2 122	25 959	76 776	64 375	141 244	'3 040
10 to 19 employees	2	227	3 087	84 549	2 196	4 275	50 632	150 618	114 049	264 662	'7 557
20 to 49 employees	2	148	4 414	119 937	3 196	6 617	70 429	231 801	204 423	436 669	'7 487
50 to 99 employees	2	38	2 708	74 612	1 964	4 447	42 161	159 699	121 207	279 061	'8 146
100 to 249 employees	1	19	3 012	83 397	2 308	4 433	51 128	215 964	182 941	403 363	'12 372
250 to 499 employees	—	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	896	1 906	53 309	1 476	2 562	32 476	92 915	83 155	176 059	'1 848

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
314912	Canvas and related product mills	1 560	17 327	472 540	12 825	25 458	281 662	965 389	791 874	1 763 059	'44 168
3149120	Canvas and related products	1 560	17 327	472 540	12 825	25 458	281 662	965 389	791 874	1 763 059	'44 168

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
314912	Canvas and related product mills	2002.. N	X	X	1 616 089
	1997.. N	N	X	X	1 464 525
3149120	Canvas and related products	2002.. N	X	X	1 616 089
	1997.. N	N	X	X	1 464 525
31491201	Canvas, awnings	2002.. N	X	X	320 736
	1997.. N	N	X	X	267 463
3149120111	Canvas, awnings	2002.. 286	X	X	320 736
	1997.. 285	N	X	X	267 463
31491202	Camping tents made from canvas	2002.. N	X	X	31 131
	1997.. N	N	X	X	29 124
3149120221	Camping tents made from canvas	2002.. 17	X	X	31 131
	1997.. 23	N	X	X	29 124
31491203	Other tents, including air supported structures and tension structures, made from canvas	2002.. N	X	X	204 866
	1997.. N	N	X	X	133 087
3149120331	Other tents, including air supported structures and tension structures, made from canvas	2002.. 54	X	X	204 866
	1997.. 59	N	X	X	133 087
31491204	Tarpaulins and other covers, flat, made from canvas, including truck and boat covers	2002.. N	X	X	120 748
	1997.. N	N	X	X	131 119
3149120441	Tarpaulins and other covers, flat, made from canvas, including truck and boat covers	2002.. 96	X	X	120 748
	1997.. 120	N	X	X	131 119
31491205	Tarpaulins and other covers, fitted, made from canvas, including truck and boat covers	2002.. N	X	X	216 871
	1997.. N	N	X	X	186 132
3149120551	Tarpaulins and other covers, fitted, made from canvas, including truck and boat covers	2002.. 126	X	X	216 871
	1997.. 125	N	X	X	186 132
31491207	All other canvas products, except bags	2002.. N	X	X	310 191
	1997.. N	N	X	X	N
3149120761	Canvas sails	2002.. 34	X	X	96 085
	1997.. N	N	X	X	N
3149120777	All other canvas and related products	2002.. 112	X	X	214 106
	1997.. N	N	X	X	N
3149120Y	Canvas and related products, nsk, total	2002.. N	X	X	411 546
	1997.. N	N	X	X	445 862
3149120YWW	Canvas and related products, nsk, for nonadministrative-record establishments	2002.. N	X	X	242 836
	1997.. N	N	X	X	311 363
3149120YWY	Canvas and related products, nsk, for administrative-record establishments	2002.. N	X	X	168 710
	1997.. N	N	X	X	134 499

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
314912	Canvas and related product mills		
00900001	Total materials .....2002..	X	683 256
	.....1997..	X	655 479
31321003	Cotton broadwoven fabrics (piece goods) .....2002..	X	33 216
	.....1997..	X	29 679
31321013	Polyester broadwoven fabrics (piece goods) .....2002..	X	23 686
	.....1997..	X	28 720
31321015	Nylon broadwoven fabrics (piece goods) .....2002..	X	40 831
	.....1997..	X	35 598
31321021	Other broadwoven fabrics (piece goods) .....2002..	X	39 838
	.....1997..	X	22 185
31311003	Yarn, all fibers .....2002..	X	8 130
	.....1997..	X	7 403
31332001	Fabrics (plastics coated, impregnated, and laminated) .....2002..	X	107 176
	.....1997..	X	77 730
32520003	Manmade fibers, staple, and tow .....2002..	X	10 068
	.....1997..	X	8 919
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	13 981
	.....1997..	X	10 154
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	140 811
	.....1997..	X	199 577
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	265 519
	.....1997..	X	235 514

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.